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Abstract of the Disclosure

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19 An optical fiber propagation time measurement circuit. A light pulse is iteratively
20 transmitted into a near end of a fiber under test (FUT) at a predetermined frequency and
21 detected at a far end of the FUT after a propagation time. A repetitive propagation signal
22 having a predetermined amplitude and a width corresponding the propagation time is
23 developed by detection circuitry. The d.c. voltage average of the propagation signal is
24 determined and used to compute the propagation time since the ratio of the d.c. voltage
25 average to the predetermined amplitude is equal to the ratio of the propagation time to
26 the period of the light pulses.

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